

Module Assessment

Name _____

Date _____

1. Complete the table to show different forms of each number. Write one value from the given answer choices in each box.

Standard Form	Multiplication	Exponential Form
<input type="text"/>	$10 \times 10 \times 10 \times 10 \times 10 \times 10$	<input type="text"/>
<input type="text"/>	<input type="text"/>	10^3
100,000	<input type="text"/>	<input type="text"/>

Answer Choices

10^4	10^5	10^6	10^7
100	1,000	10,000	1,000,000
10×10	$10 \times 10 \times 10$	$10 \times 10 \times 10 \times 10$	$10 \times 10 \times 10 \times 10 \times 10$

2. Multiply.

$$625 \times 66 = \underline{\hspace{2cm}}$$

3. Consider the expression shown.

$$900,000 \div 10^3$$

Part A

Divide.

$$900,000 \div 10^3 = \underline{\hspace{2cm}}$$

Part B

Explain the number of zeros in the quotient.

4. Consider the equation shown.

$$60 \times 50 + 2 + 26 = 3,146$$

Insert parentheses to make the equation true.

5. Divide.

$$4,123 \div 19$$

Quotient: _____

Remainder (enter 0 if none): _____

6. Convert each measurement. Write one number from the given answer choices in each blank. Numbers may be used more than once.

$$14 \text{ L} = \underline{\hspace{2cm}} \text{ mL}$$

$$14,000 \text{ cg} = \underline{\hspace{2cm}} \text{ mg}$$

$$140 \text{ km} = \underline{\hspace{2cm}} \text{ m}$$

Answer Choices

14	140	1,400	14,000	140,000	1,400,000	14,000,000
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7. Scott has 56 cans of dog food. Each can holds 12 ounces of food. He feeds his dogs a total of 32 ounces of food each day. For how many days can Scott feed his dogs before the food is gone?

Scott can feed his dogs for _____ days.

8. Compare the expressions in part A and part B without evaluating.

Part A

Compare each pair of expressions by using $>$, $=$, or $<$.

$$51 \times (317 + 835) \text{ ______ } (5 + 51) \times (317 + 835)$$

$$792 - (5 + 54) \text{ ______ } 792 - 5 + 54$$

$$(56,613 + 655,015) \div 992 \text{ ______ } 655,015 \div 992$$

$$68 \times 462 \text{ ______ } (60 + 8) \times (400 + 62)$$

Part B

Choose one pair of expressions from part A and explain how you determined which is greater without evaluating.

9. Consider the expression shown.

$$4,724 \div 85$$

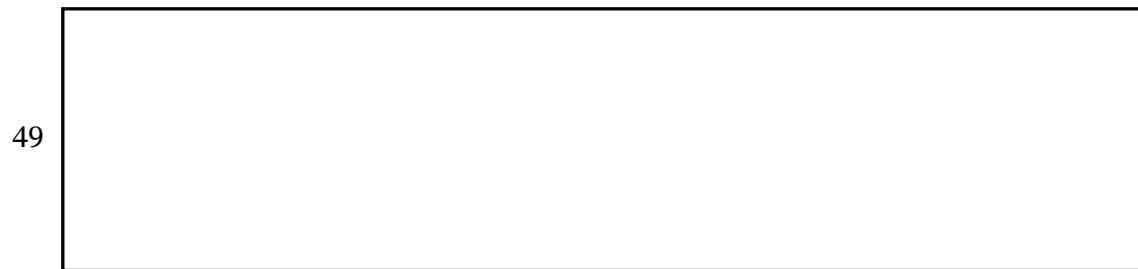
Write a word problem that can be solved by evaluating the given expression. Explain what the quotient and remainder represent.

10. Use the expression shown for part A and part B.

$$5,929 \div 49$$

Part A

Draw and label an area model in the rectangle to show the partial quotients.



Part B

Evaluate.

$$5,929 \div 49 = \underline{\hspace{2cm}}$$